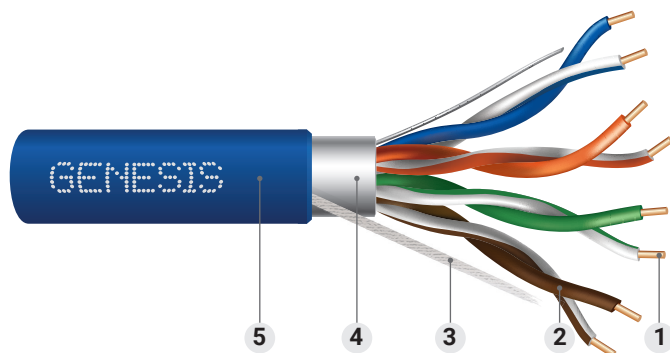


Category 6+ Shielded Cable Plenum

-GENESIS-

Genesis Category 6+ Cables feature thicker conductors to more efficiently handle data and power for more complex voice and data networks, high-bandwidth PoE IP video surveillance, and more. The shielded design minimizes external interference and protects data transmission in noisy environments.



Construction

- 1. Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
- 2. Insulation:** FEP
- 3. Rip Cord:** Durable rip cord for efficient jacket stripping and removal
- 4. Shield:** Foil shield over all conductors
- 5. Jacket:** Plenum PVC
Countdown® Length Markings for easy tracking of usage and remaining cable

Applications

- In fabricated ducts as described in NEC 300.22(B)
- In other spaces used for environmental air as described in NEC 300.22(C)
- In risers
- Within buildings in other than air-handling spaces and risers

Specifications

- NFPA 262 – Plenum Rated
- CSA C22.2 No. 2556 – FT6 Rated
- UL 444 – Communication Cables, Type CMP
- REACH/RoHS Compliant
- TIA-568.2-D Category 6
- Rated for 300 Volts
- Rated for -20°C to 75°C

| Conductor Color Codes: Category Cable | | |
|---------------------------------------|---------------------|--|
| Pair Number | Color | |
| 1 | Blue/Blue+White | |
| 2 | Orange/Orange+White | |
| 3 | Green/Green+White | |
| 4 | Brown/Brown+White | |

Sample Print Legend

GENESIS P/N 5392 SHIELDED 4PR23 CAT 6 PLUS E175104-1 (UL) CMP C(UL)US FT6 75C (RoHS)
UL VERIFIED TO TIA-568.2-D CAT 6 XXXXXXXX YYYYFT RM# A B C D E F 1 2 3 4 5 6 7 8 9

Category 6+ Shielded Cable, Plenum

| Part Number | Conductor Size (AWG) | Number of Conductors | Stranding | Nominal Diameter (in) | DC Resistance (Ohms/100m at 20°C) | Capacitance (nF/100m) |
|-------------|----------------------|----------------------|-----------|-----------------------|-----------------------------------|-----------------------|
| 5392 | 23 | 8 (4 pairs) | Solid | 0.320 | 9.38 | 5.6 |

UL Verified to TIA-568.2-D Cat 6. Sweep tested to 600 MHz

| Frequency (MHz) | Insertion Loss Maximum (dB/100m) | NEXT Minimum (dB/100m) | PSNEXT Minimum (dB/100m) | Return Loss Minimum (dB/100m) |
|-----------------|----------------------------------|------------------------|--------------------------|-------------------------------|
| 1 | 2.0 | 74.3 | 72.3 | 20.0 |
| 4 | 3.8 | 65.3 | 63.3 | 23.0 |
| 8 | 5.3 | 60.8 | 58.8 | 24.5 |
| 10 | 6.0 | 59.3 | 57.3 | 25.0 |
| 16 | 7.6 | 56.2 | 54.2 | 25.0 |
| 20 | 8.5 | 54.8 | 52.8 | 25.0 |
| 25 | 9.5 | 53.3 | 51.3 | 24.3 |
| 31.25 | 10.7 | 51.9 | 49.9 | 23.6 |
| 62.5 | 15.4 | 47.4 | 45.4 | 21.5 |
| 100 | 19.8 | 44.3 | 42.3 | 20.1 |
| 155 | 25.2 | 41.4 | 39.4 | 18.8 |
| 200 | 29.0 | 39.8 | 37.8 | 18.0 |
| 250 | 32.8 | 38.3 | 36.3 | 17.3 |
| 300 | 36.4 | 37.1 | 35.1 | 16.8 |
| 350 | 39.8 | 36.1 | 34.1 | 16.3 |
| 400 | 43.0 | 35.3 | 33.3 | 15.9 |
| 500 | 48.9 | 33.8 | 31.8 | 15.2 |
| 550 | 51.8 | 33.2 | 31.2 | 14.9 |
| 600 | 54.5 | 32.6 | 30.6 | 14.7 |

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